



Atty. Docket No.: 2846/2112

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ren et al.

Examiner: McNeil, Jennifer C.

Serial No.: 10/660,348

Filed: September 11, 2003

Group Art Unit: 1775

Entitled: Metal Oxide Nanostructures with Hierarchical Morphology

Conf. No.: 5141

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a

I hereby certify that this correspondence (and any paper or fee referred to as being enclosed) is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

David J. Dykeman

Name of Person Mailing Paper

Signature of Person Mailing Paper

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.56, 1.97 AND 1.98

Dear Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56, Applicant submits this Information Disclosure Statement pursuant to 37 CFR §§ 1.97 and 1.98 in the above-identified application for consideration by the Patent Office.

A listing of the cited documents, as well as, for the Examiner's convenience, copies of all foreign patent documents and non-patent literature are enclosed. This application was filed after June 30, 2003, and copies of U.S. patents and U.S. patent applications are not required and are not enclosed.

Pursuant to CFR § 1.97(e)(1), each item contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application or International application. Because this statement is being filed within three months of receipt of the Search Report, no fee is believed to be due. A copy of the Search Report is included and cited on the enclosed PTO-1449.

Applicant does not intend to represent that any of the documents submitted herein are material prior art to this invention or that the list represents an exhaustive search of documents related to this invention.

Date: June 30, 2005

Respectfully submitted,

Name: David J. Dykeman

Registration No.: 46,678

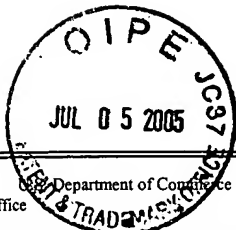
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111 Huntington Avenue

Boston, MA 02199-7613

Tel: 617-239-0100



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| USPTO Form 1449 Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT | | | | Attorney Docket No. 2846/2112 | | Serial No. 10/660,348 | | |
| | | | | Applicant(s): Ren et al. | | | | |
| | | | | Filing Date: September 11, 2003 | | Group: 1775 | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| Examiner Initial | | Patent No. | Date | Name | Class | Subclasses | Filing Date (if appropriate) | |
| | | 6,855,202 | February 15, 2005 | Alivisatos et al. | 117 | 68 | November 20, 2002 | |
| | | 6,863,943 | March 8, 2005 | Wang et al. | 428 | 37 | January 13, 2004 | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| Examiner Initial | | Document No. | Publication Date | Country | Class | Subclasses | Translation | |
| | | | | | | | YES | NO |
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| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | | |
| | A | International Search Report based on PCT/US03/28530 dated April 7, 2005. | | | | | | |
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| EXAMINER | | | | | DATE CONSIDERED | | | |
| <small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.</small> | | | | | | | | |
| <small>**Copies of references not provided at the time of this submission.</small> | | | | | | | | |



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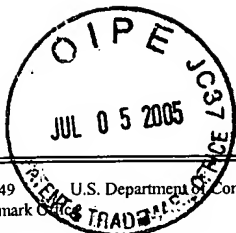
Applicant respectfully requests that the documents submitted herein be considered and made of record in this application.

Pursuant to CFR § 1.97(c)(2), because this Statement is being submitted after the mailing of the first Office Action on the merits, the Commissioner for Patents is hereby authorized to charge any fees to Deposit Account No. 16-0085, Reference 2846/2112.

Respectfully submitted,

Date: June 30, 2005

Name: David J. Dykeman
Registration No.: 46,678
Customer No.: 29932
Palmer & Dodge LLP
111 Huntington Avenue
Boston, MA 02199-7613
Tel: 617-239-0100



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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| Examiner Initial | | Document No. | Publication Date | Country | Class | Subclasses | Translation | |
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| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | | |
| | A | Park, W.I. et al., <u>Metalorganic Vapor-Phase Epitaxial Growth of Vertically Well-Aligned ZnO Nanorods</u> , Applied Physics Letters, 2002, Vol. 80, No. 22, pp. 4232-4234. | | | | | | |
| | B | Park, W.I. et al., <u>ZnO Nanoneedles Grown Vertically on Si Substrates by Non-Catalytic Vapor-Phase Epitaxy</u> , Advanced Materials, 2002, Vol. 14, No. 24, pp. 1841-1843. | | | | | | |
| | C | Suscavage, M. et al., <u>High Quality Hydrothermal ZnO Crystals</u> , MRS Internet J. Nitride Semicond. Res. 4S1, G3.40 (1999), 6 pgs. | | | | | | |
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